

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of KUROITA, et al.
 Serial No. Not Yet Assigned
 Filing Date Herewith
 Title MODIFIED THERMOSTABLE DNA POLYMERASE

PRELIMINARY AMENDMENT

Please amend the above-identified application as follows:

In the claims:

Please amend the following claims:

- 0935333660
17. (Amended) A recombinant DNA vector obtained by inserting the gene of claim 13 into an expression vector.
19. (Amended) A transformant produced by transforming a host cell with the recombinant DNA vector of claim 17.
22. (Amended) A method for amplifying or extending nucleic acid, which comprises reacting DNA as a template, one or more kinds of primers, dNTP and the thermostable DNA polymerase of claim 1, thus extending the primer(s) to synthesize DNA primer extension product(s).
26. (Amended) A reagent kit for amplifying nucleic acid, which comprises 2 kinds of primers, each of the primers being complementary to a DNA extension product of the other primer; dNTP; the thermostable DNA polymerase of claim 1; magnesium ion; at least one of monovalent ions selected from the group consisting of ammonium ion and potassium ion; BSA (bovine serum albumin); a nonionic surfactant and a buffer solution.
27. (Amended) A reagent kit for amplifying nucleic acid, which comprises 2 kinds of primers, each of the primers being complementary to a DNA extension product of the other primer; dNTP; the thermostable DNA polymerase of claim 1; magnesium ion; at least one of monovalent ions selected from the group consisting of ammonium ion and potassium ion; BSA (bovine serum albumin); a nonionic surfactant; a buffer solution and an antibody capable of suppressing at least one activity selected from polymerase activity and 3'-5' exonuclease activity of the thermostable DNA polymerase.

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 H. G.
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